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ATTORNEY DOCKET NO. ACOU01-00003
U.S. SERIAL NO. 10/743,204
PATENT

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A method, comprising:
identifying a plurality of facilities in a complex, each facility associated with a construction project;
determining a potential revenue associated with at least one of the facilities;
determining a cost associated with at least one of the facilities;
allowing a user to place a constraint on data used to generate a schedule; and
generating a the schedule of the construction projects using the determined potential revenue, and the determined cost.

2. (Previously Presented) The method of Claim 1, further comprising predicting a number of people who will use at least one of the facilities; and
wherein determining the potential revenue associated with at least one of the facilities comprises determining the potential revenue associated with at least one of the facilities using the predicted number of people.

3. (Previously Presented) The method of Claim 2, wherein determining the cost associated with at least one of the facilities using the predicted number of people further comprises:
identifying a size of at least one of the facilities based on the predicted number of people; and
determining a cost of at least one of the construction projects based on the identified size.

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4. (Original) The method of Claim 3, wherein identifying the size of the at least one facility comprises identifying a plurality of sizes for the at least one facility.

5. (Original) The method of Claim 1, wherein identifying the plurality of facilities comprises receiving an identification of the facilities from a user.

6. (Original) The method of Claim 1, wherein generating the schedule comprises, for each construction project, receiving from a user an identification of one of a plurality of phases during which the construction project would occur.

7. (Original) The method of Claim 6, further comprising identifying a cost of each phase.

8. (Original) The method of Claim 1, wherein determining the potential revenue associated with at least one of the facilities comprises identifying potential donations to be received during one or more fund-raising campaigns.

9. (Original) The method of Claim 8, further comprising:
identifying an amount of borrowing needed to pay for the construction projects; and
identifying an amount of debt to be paid off each year.

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10. (Previously Presented) The method of Claim 1, further comprising:
allowing a user to alter data used to generate the schedule; and
showing the user in real time how altered data affects the schedule.

11. (Currently Amended) The method of Claim 1, further comprising:
~~allowing a user to place a constraint on data used to generate the schedule; and~~
showing the user in real time how the constraint affects the schedule.

12. (Previously Presented) The method of Claim 1, wherein:
the complex comprises a church;
at least one of the facilities comprises an auditorium in the church; and
determining the potential revenue comprises:

estimating a number of people who will attend church services in the auditorium; and
determining an amount of potential donations given to the church by the estimated
number of people.

13. (Previously Presented) The method of Claim 1, wherein the determined potential
revenue associated with at least one of the facilities and the determined cost associated with at least
one of the facilities are used to estimate a cash flow, the cash flow used to generate the schedule.

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14. (Previously Presented) The method of Claim 1, wherein the determined cost associated with at least one of the facilities comprises at least one of operating costs, general and administrative expenses, construction costs, and staffing costs associated with at least one of the facilities.

15. (Currently Amended) A system, comprising:
a memory operable to store information identifying a plurality of facilities in a complex, each facility associated with a construction project; and
one or more processors collectively operable to:
determine a potential revenue associated with at least one of the facilities;
determine a cost associated with at least one of the facilities;
allow a user to place a constraint on data used to generate a schedule; and
generate a the schedule of the construction projects using the determined potential revenue, and the determined cost.

16. (Previously Presented) The system of Claim 15, wherein:
the one or more processors are further collectively operable to predict a number of people who will use at least one of the facilities;
the one or more processors are collectively operable to determine the potential revenue associated with at least one of the facilities using the predicted number of people; and

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the one or more processors are collectively operable to determine the cost associated with at least one of the facilities by:

identifying a size of at least one of the facilities based on the predicted number of people; and

determining the cost associated with at least one of the facilities based on the identified size.

17. (Original) The system of Claim 15, wherein the one or more processors are collectively operable to generate the schedule by:

for each construction project, receiving from a user an identification of one of a plurality of phases during which the construction project would occur; and

identifying a cost of each phase.

18. (Original) The system of Claim 15, wherein:

the one or more processors are collectively operable to determine the potential revenue associated with at least one of the facilities by identifying potential donations to be received during one or more fund-raising campaigns; and

the one or more processors are further collectively operable to:

identify an amount of borrowing needed to pay for the construction projects; and

identify an amount of debt to be paid off each year.

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19. (Previously Presented) The system of Claim 15, wherein the one or more processors are further collectively operable to:

allow a user to alter data used to generate the schedule; and
show the user in real time how the altered data affects the schedule.

20. (Original) The system of Claim 15, wherein the potential revenue associated with at least one of the facilities and the identified cost associated with at least one of the facilities are used to estimate a cash flow, the cash flow used to generate the schedule.

21. (Original) The system of Claim 15, wherein the identified cost associated with at least one of the facilities comprises at least one of operating costs, general and administrative expenses, construction costs, and staffing costs associated with at least one of the facilities

22. (Currently Amended) A system, comprising:
a memory operable to store information identifying a plurality of facilities in a complex, each facility associated with a construction project; and
an analysis module operable to:

determine a potential revenue associated with at least one of the facilities;
determine a cost associated with at least one of the facilities;
allowing a user to place a constraint on data used to generate a schedule; and

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generate a the schedule of the construction projects using the determined potential revenue and the determined cost.

23. (Original) The system of Claim 22, further comprising:
a constraints module operable to allow a user to place a constraint on data used to generate the schedule; and
an optimization module operable to show the user in real time how the constraint affects the schedule.

24. (Currently Amended) A computer program embodied on a computer readable medium and operable to be executed by a processor, the computer program comprising:
computer readable program code for identifying a plurality of facilities in a complex, each facility associated with a construction project;
computer readable program code for determining a potential revenue associated with at least one of the facilities;
computer readable program code for determining a cost associated with at least one of the facilities;
computer readable program code for allowing a user to place a constraint on data used to generate a schedule; and
computer readable program code for generating a the schedule of the construction projects

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using the determined potential revenue, and the determined cost.

25. (Previously Presented) The computer program of Claim 24, wherein:

the computer program further comprises computer readable program code for predicting a number of people who will use at least one of the facilities; and

the computer readable program code for determining the potential revenue uses the predicted number of people.

26. (Original) The computer program of Claim 25, wherein the computer readable program code for determining the cost associated with at least one of the facilities comprises:

computer readable program code for identifying a size of at least one of the facilities based on the predicted number of people; and

computer readable program code for determining the cost of at least one of the construction projects based on the identified size.

27. (Original) The computer program of Claim 24, wherein the computer readable program code for generating the schedule comprises:

computer readable program code for receiving from a user, for each construction project, an identification of one of a plurality of phases during which the construction project would occur; and

computer readable program code for identifying a cost of each phase.

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28. (Original) The computer program of Claim 24, wherein:

the computer readable program code for determining the potential revenue comprises
computer readable program code for identifying potential donations to be received during one or
more fund-raising campaigns; and

the computer program further comprises:

computer readable program code for identifying an amount of borrowing needed to
pay for the construction projects; and

computer readable program code for identifying an amount of debt to be paid off each
year.

29. (Previously Presented) The computer program of Claim 24, wherein the computer
program further comprises:

computer readable program code for allowing a user to alter data used to generate the
schedule; and

computer readable program code for showing the user in real time how the altered data
affects the schedule.

30. (Previously Presented) The computer program of Claim 24, wherein the determined
potential revenue associated with at least one of the facilities and the determined cost associated with

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at least one of the facilities are used to estimate a cash flow, the cash flow used to generate the schedule.

31. (Previously Presented) The computer program of Claim 24, wherein the determined cost associated with at least one of the facilities comprises at least one of operating costs, general and administrative expenses, construction costs, and staffing costs associated with at least one of the facilities.

32. (Previously Presented) The system of Claim 22, wherein:

the complex comprises a church;

at least one of the facilities comprises an auditorium in the church; and

the analysis module is further operable to:

estimate a number of people who will attend church services in the auditorium; and

determine an amount of potential donations given to the church by the estimated number of people.